- 1) A system for aiming a weapon which comprises 1 a camera for capturing an acquired image of a theater of operations, 2 a computer for modifying the pixels in said image to generate a predictively 3 modified image that takes into account for environmental factors, and 4 a display for displaying said predictively modified image. 5 6 2) The system recited in claim 1 wherein said camera acquires a panoramic 7 8 image. 9 3) The system recited in claim 1 wherein said computer generates a predictively 10 modified image that designates the targets within range of said weapon. 11 12 4) The system recited claim 1 wherein said weapon is adapted to emit a 13 projectile and wherein said computer generates a predictively modified image 14 that takes into account the flight characteristics of said projectile. 15 16 5) The system recited in claim 1 wherein said acquired image includes a plurality 17 of pixels and wherein a set of vectors are applied to said pixels to generate a 18 predictively modified images, said vectors representing various factors that affect 19 20 aiming said weapon. 21 6) The system recited in claim 1 wherein said acquired image includes a plurality 22 of pixels and wherein said pixels are moved to generate said predictively 23 modified image, the amount of movement of each pixel being dependent upon 24 environmental factors and the characteristics of said weapon. 25 26
- 7) A system for providing guidance concerning the impact area of projectiles that
 leave a moving platform,
- 29 a camera for acquiring an acquired image of a target area,
- 30 a computer for modifying the pixels of said image of said target area to generate
- a modified image that represents the future impact area of said projectile,

a display for displaying said modified image. 1 2 8) The system recited in claim 7 wherein said camera acquires a panoramic 3 4 image. 5 9) The system recited in claim 7 wherein said computer generates a predictively 6 modified image that designates the targets within range of said weapon. 7 8 10) The system recited claim 7 wherein said weapon is adapted to emit a 9 projectile and wherein said computer generates a predictively modified image 10 that takes into account the flight characteristics of said projectile. 11 12 11) The system recited in claim 7 wherein said acquired image includes a 13 plurality of pixels and wherein a set of vectors are applied to said pixels to 14 generate a predictively modified images, said vectors representing various 15 factors that affect aiming said weapon. 16 17 12) The system recited in claim 12 wherein said acquired image includes a 18 plurality of pixels and wherein said pixels are moved to generate said predictively 19 modified image, the amount of movement of each pixel being dependent upon 20 environmental factors and the characteristics of said weapon. 21 22 13) A method of generating a predictively modified image from an acquired 23 images, said method comprising the steps of 24 capturing an acquired image of a theater of operations, 25 moving the pixels in said acquired image in accordance with a set of vectors 26 which represent environmental factors, 27 whereby the image represented by said moved pixels represents said 28 29 predictively modified display.\

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- 1 14) The method in claim 13 wherein said predictively modified image is
- 2 generated by stretching or compressing said acquired image in directions
- 3 dictated by environmental factors.

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